

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

SEP 25 2006

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

06/26/2006

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, DC 20005-3934

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/780,179	02/09/2001	Thomas J. Quigley	1875.1320001	9211

TITLE OF INVENTION: ROBUST TECHNIQUES FOR OPTIMAL UPSTREAM COMMUNICATION BETWEEN CABLE MODEM SUBSCRIBERS AND A HEADEND

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	09/26/2006
EXAMINER	ART UNIT		CLASS-SUBCLASS		
MOORE, IAN N	2616		370-432000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Sterne, Kessler,
2 Goldstein & Fox, PLLC
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Broadcom Corporation

(B) RESIDENCE: (CITY and STATE or COUNTRY) Irvine, CA

01 FC:1501

02 FC:1504

03 FC:8001

1400.00 OP

300.00 OP

900.00 GOVERNMENT

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies 3

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0036 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Bryan S. Wade

Date September 25, 2006

Typed or printed name Bryan S. Wade

Registration No. 58,228

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



ATTORNEYS AT LAW



Robert Greene Sterne
Jorge A. Goldstein
David K.S. Cormwell
Robert W. Esmond
Tracy-Gene G. Durkin
Michele A. Cimbala
Michael B. Ray
Robert E. Sokohl
Eric K. Steffl
Michael Q. Lee
Steven R. Ludwig
John M. Coven
Robert C. Millonig
Donald J. Featherstone
Timothy J. Shea, Jr
Michael V. Messinger
Judith U. Kim
Patrick E. Garrett
Jeffrey T. Helvey

Eldora L. Ellison
Thomas C. Fiala
Donald R. Banowitz
Peter A. Jackman
Jeffrey S. Weaver
Brian J. Del Buono
Mark Fox Evans
Edward W. Yee
Vincent L. Capuano
Virgil Lee Beaston
Theodore A. Wood
Elizabeth J. Haanes
Joseph S. Ostroff
Frank R. Cottingham
Daniel A. Klein
Jason D. Eisenberg
Michael D. Specht
Tracy L. Muller
Jon E. Wright

LuAnne M. DeSantis
Ann E. Summerfield
Helene C. Carlson
Cynthia M. Bouchez
Timothy A. Doyle
Gaby L. Longsworth
Lori A. Gordon
Laura A. Vogel
Bryan S. Wade
Bashir M.S. Ali
Shannon A. Carroll
Anbar F. Khal
Michelle K. Holoubek
Marsha A. Rose
Young Tang
Christopher J. Walsh
W. Blake Coblenz*
James J. Pohl*
John T. Haran

Mark W. Rygiel
Kevin W. McCabe
Michael R. Malek*
Doyle A. Siever*
Ulrike Winkler*

Liliana Di Nola-Baron
Peter A. Socarras
Jeffrey K. Mills
Danielle L. Letting
Lori Brandes
Steven C. Oppenheimer

Registered Patent Agents •
Karen R. Markowicz
Matthew J. Dowd
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Victoria S. Rutherford
Simon J. Elliott
Julia A. Heider
Mita Mukherjee
Scott M. Woodhouse

Of Counsel
Edward J. Kessler
Kenneth C. Bass III
Marvin C. Guthrie

*Admitted only in Maryland
*Admitted only in Virginia
•Practice Limited to
Federal Agencies

September 25, 2006

WRITER'S DIRECT NUMBER:
(202) 772-8817

INTERNET ADDRESS:
BWADE@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Mail Stop Issue Fee

Re: Allowed U.S. Utility Patent Application
Appl. No. 09/780,179; Filed: February 9, 2001

For: **Robust Techniques For Optimal Upstream Communication Between
Cable Modem Subscribers And A Headend**

Inventors: QUIGLEY *et al.*
Our Ref: 1875.132000I

Sir:

In response to the **Notice of Allowance and Fee(s) Due** dated June 26, 2006, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office:

1. Issue Fee Transmittal (Form PTOL-85B);
2. Credit Card Payment Form (PTO-2038) for \$1,709.00 to cover:
\$1,400.00 Issue Fee;
\$ 300.00 Publication Fee;
\$ 9.00 Advance copies of patent; and
3. One (1) return postcard.

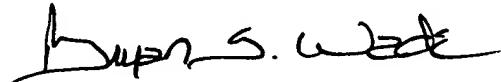
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

Commissioner for Patents
September 25, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Bryan S. Wade
Attorney for Applicants
Registration No. 58,228

TCF/BSW:smn
Enclosures

587514_1.DOC